

Active GMP Recombinant Human IL12A Protein

Cat. No. IL12A-129HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL12B(Ile23–Ser328) and Human IL12A(Arg23–Ser219), was co-produced in Sf 21 (baculovirus)-derived under cGMP guidelines.
Species	Human
Source	Insect Cells
ProteinLength	23-328;23-219 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured in a cell proliferation assay using PHA-stimulated human T lymphoblasts. Symons, J.A. et al. (1987) in Lymphokines and Interferons, a Practical Approach. Clemens, M.J. et al. (eds): IRL Press. 272.
Molecular Mass	Predicted Molecular Mass: 34.7 (p40) & 22.5 (p35) kDa SDS-PAGE: 41 kDa (p40) and 29 kDa (p35), reducing conditions
N-terminal Sequence Analysis	Ile-Trp-Glu-Leu-Lys-Lys-Asp-Val-Tyr-Val (p40) Arg-Asn-Leu-Pro-Val-Ala-Thr-Pro-Asp-Pro (p35)
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE with silver staining.

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Storage	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in PBS.
Quality Statement	Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.
GENE INFORMATION	
Gene Name	IL12A interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35) [Homo sapiens]
Official Symbol	IL12A
Synonyms	IL12A; NKSF1; interleukin-12 subunit alpha; CLMF; p35; IL 12; subunit p35; IL 12A; IL35 subunit; interleukin 12; interleukin 12 alpha chain; 35 kD subunit; NFSK; CLMF p35; IL-12 subunit p35; IL-12, subunit p35; interleukin 12, p35; P35; IL-12A;
Gene ID	3592
mRNA Refseq	NM_000882

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Protein Refseq	NP_000873
MIM	161560
UniProt ID	P29459

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